

MAST BAND AMPLIFIER SERIE AMB 600-N



DESCRIPTION

Broad band amplifier, suitable for individual systems or small installations in low signal level areas. Operates with a wide range of input levels.

The circuit, which is housed in a metal box, provides a high degree of isolation between inputs and outputs, as well as immunity from radio-electric interference.

The set is covered with a plastic housing, which protects it from ultraviolet radiation and bad weather conditions. The housing is designed for easy fixing on the mast.

- Direct antenna connection. Very low noise figure.
- Independent level regulation for each input.
- Notch filters for selective level regulation of two UHF signals.
- Protected against atmospheric disturbances and radio-electric interference.
- Connection point for output level TEST.
- Designed with SMD technology

Power supply	24 V $\pm$ 5%
Operating temperature range	- 20 ÷ 60° C

TECHNICAL SPECIFICATIONS

MODEL	AMB 610 N		AMB 620 N		AMB 620 NF		AMB 631 N			AMB ⁽¹⁾ 632 N			AMB 632 NF T			AMB ⁽²⁾ 640 N						
Reference	36810		36820		36821		36831			36832			36842			36840						
Number of inputs	1		2				3								4							
Frequency range	B/I/III	UHF	B/I/III	UHF	B/I/III	UHF	B/I/III	UHF	UHF	B/I/III	UHF1	UHF2	B/I/III	UHF1	UHF2	B/I/III	UHF1	UHF	UHF3			
Gain	dB		30	40	30	40	20	30	30	36	36	30	40	40	30	20	40	30	36	36	36	
Output level DIN 45004B (-60 dB)	dBμV		106																			
Input/output impedance	Ω		75																			
Min. input level For S/N = 30 dB	dBμV		37	34,5	37	34,5	37	34,5	37			37	35		37	47	35	37	35			
Gain regulation	dB		25	19	25	19	25	19	25	19	19	25	19	19	25	19	19	25	19	19	19	
Noise figure	dB		5	2,5	5	2,5	5	2,5	5	5	5	5	3	3	5	15	5	5	3	3	3	
Attenuation in the TEST output	dB		30																			
UHF selective Equalization (Notch)	dB		0-15 dB (470 MHz) 0-6 dB (830 MHz)			—		0-15 dB (470 MHz) 0-6 dB (830 MHz)					—			0-15 dB (470 MHz) 0-6 dB (830 MHz)						
FM rejection	dB		35																			
27 MHz rejection (CB)	dB		20																			
Current drawn	mA		38					44													50	
Packing dimensions	mm		155 x 110 x 45																			
Weight	Kg		4,5																			

(1)

N	UHF ₁ : 21-37	UHF ₂ : 38-69
A	UHF ₁ : 21-41	UHF ₂ : 43-69
R	UHF ₁ : 21-45	UHF ₂ : 49-69
S	UHF ₁ : 21-47	UHF ₂ : 48-69
T	UHF ₁ : 21-29	UHF ₂ : 30-69
U	UHF ₁ : 21-56	UHF ₂ : 57-69
V	UHF ₁ : 21-39	UHF ₂ : 41-69

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UHF ₁ : 21-31	UHF ₂ : 32-49	UHF ₃ : 50-69
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